# NAMING COMPOUNDS AND WRITING FORMULAS REVIEW

NAME REVIEW.

BLOCK _____

Chemists have worked out the formulas of many compounds. If you studied these formulas, you would see patterns. Chemists have used these patterns to make rules about how many atoms of each kind will join with each other. Then we can use the rules to tell what the formula is without having to look it up.

Write down the formulas for the following compounds.

1. hydrogen fluoride: _____
2. magnesium chloride: _____
3. ammonium sulphide: _____
4. calcium nitrate: _____
5. silver carbonate: _____
6. aluminum hydroxide: _____
7. potassium carbonate: _____
8. barium hydroxide: _____
9. zinc phosphate: _____
10. calcium sulphate: _____
11. magnesium phosphate: _____
12. barium sulphate: _____
13. magnesium iodide: _____
14. ammonium nitrate: _____
15. aluminum phosphate: _____
16. potassium hydroxide: _____
17. nickel(III) oxide: _____
18. sodim sulphate: _____
19. chromium(II) iodide: _____
20. tin(IV) oxide: _____
21. iron(III) carbonate: _____
22. copper(II) carbonate: _____
23. mercury(II) nitrate: _____
24. gold(I) nitrate: _____
25. copper(I) oxide: _____
26. copper(II) oxide: _____
27. mercury(I) nitrate: _____
28. gold(III) chloride: _____
29. iron(III) sulphate: _____
30. cobalt(II) sulphate: _____
31. nickel(III) bromide: _____
32. copper(II) hydroxide: _____
33. tin(II) carbonate: _____
34. lead(IV) sulphide: _____
35. lead(II) sulphate: _____

There are also rules for naming compounds. Give the names of the following compounds.

1. $NaS$: _____
2. $KI$: _____
3. $Mg(OH)_2$: _____
4. $CaCO_3$: _____
5. $BaSO_4$: _____
6. $Al_2S_3$: _____
7. $H_2S$: _____
8. $NH_4NO_3$: _____
9. $AlPO_4$: _____
10. $Na_2CO_3$: _____
11. $K_2SO_4$: _____
12. $Al_2O_3$: _____
13. $(NH_4)_2S$: _____
14. $H_2O$: _____
15. $CaCl_2$: _____
16. $MgCl_2$: _____
17. $Mg(NO_3)_2$: _____
18. $H_2SO_4$: _____
19. $HCl$: _____
20. $K_3PO_4$: _____
21. $Zn_3N_2$: _____
22. $FeSO_4$: _____
23. $CrBr_3$: _____
24. $PbO_2$: _____
25. $CuCl_2$: _____
26. $Cu_2S$: _____
27. $HgNO_3$: _____
28. $AuCl$: _____
29. $FeCO_3$: _____
30. $Co_3(PO_4)_2$: _____
31. $Ni(NO_3)_2$: _____
32. $SnO_2$: _____
33. $PbCl_4$: _____